

WATER PROTECTION BUREAU

Agency Use

Permit No.:

Date Rec'd

Amount Rec'd

Check No.

Rec'd By

FORM
NMP

Nutrient Management Plan

READ THIS BEFORE COMPLETING FORM: Before completing this form (Form NMP), Concentrated Animal Feeding Operation (CAFO) operators need to read the General Permit, particularly Part IV.A. CAFO operators also need to read the "Instructions For Filling Out Form NMP," found at the back of the Form. Form NMP is intended to help CAFO operators develop a site-specific Nutrient Management Plan, in compliance with Part IV.A of the General Permit and all applicable State rules and statutes. Your Nutrient Management Plan must be maintained at the site as required in Part III of the General Permit. Sections B and C on your Form NMP must state the information exactly the same way as it was stated on the most recently submitted version of your Form 2B. Attach additional pages as necessary, indicating the corresponding section number on this NMP form. For additional help in filling out this form please read the attached instructions. The 2008 General Permit, current fee schedule, and related forms are available from the Water Protection Bureau at (406) 444-3080 or <http://www.deq.mt.gov/wqinfo/MPDES/CAFO.asp>

Section A - NMP Status (Check one):

- ☒ New No prior NMP submitted for this site.
☐ Modification Change or update to existing NMP.

Permit Number: MT 4410230 (Specify the permit number that was previously assigned to your facility.)

Section B - Facility or Site Information:

Site Name Johnson Farms

Site Location 724 Johnson Ranch Lane

Nearest City or Town Shelby County Pondera

Section C - Applicant (Owner/Operator) Information:

Owner or Operator Name Paul Johnson

Mailing Address _____

City, State, and Zip Code _____

Phone Number _____

RECEIVED

FEB 05 2009

DEQ/WPB
PERMITTING & COMPLIANCE DIV.

Section D - NMP Minimum Elements:

1. Livestock Statistics

Animal Type	# of Days on Site (per Year)	Annual Manure Production (cubic yds or gal)
Horse	Jan Early - Dec Late	2,070
Growing steer (beef)	Jan Early - Dec Late	2,070

Method used for estimating annual manure production:

Values are annual and cumulative, based on measured previous year applications and documented by NRCS using Purdue Universities Manure Management Planner program, as part of an Approved CNMP

2. Manure Handling

Describe manure handling at the facility:

Manure is currently scraped, hauled, and stored at holding site shown on facility map. The manure is then transferred to second party. All loads are transferred with load weights and manure analysis. The hauler, date, and second party name is provided. All manure is in solid form

Frequency of Manure Removal from confinement areas:

Manure is removed from holding facility monthly

Is this manure temporarily stored in any location? x ☐ Yes ☐ No
If so then how and where?

See site plan for location

Is manure stored on impervious surface? ☐ Yes x ☐ No

If yes, describe type and characteristics of this surface:

3. Waste Control Structures

<i>Waste Control Structure (name/type)</i>	<i>Length (ft)</i>	<i>Width (ft)</i>	<i>Depth (ft)</i>	<i>Volume (cubic ft or gallons)</i>
1. Open Lot	400	800	8	2070tons
2. Runoff Evaporation Pond	200	150	10	1,500000 gal
3. Solid Waste Storage Pad	125	100	8	2100tons
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				

4. Disposal of Dead Animals

Describe how dead animals are disposed of at this facility:

Trench 10ft wide 8ft deep 100 ft long all animals are covered within 36 hours

5. Clean Water Diversion Practices

Describe how clean water is diverted from production area:

Facility is located at the top of the water shed. All clean water is diverted around the facility only water that falls on the facility is diverted to evaporation pond, see facility map.

6. Prohibiting Animals and Wastes from Contact with State Waters

Describe how animals and wastes are prohibited from direct contact with state waters:

All livestock are separated from State Waters by fence. See facilities map

7. Chemicals and Contaminants

Describe how chemicals and other contaminants are handled on-site:

All chemicals are stored off site

8. Best Management Practice (BMPS)

Describe in detail all temporary, permanent and structural Best Management Practices (BMPs) which will be used to control runoff of pollutants from facility's **production area**. Indicate the location of these measures. Include a schedule for implementation of each of these measures. Examples of BMP measures could include but are not limited to: constructing ditches, terraces, and waterways above an open lot to divert clean water run on; installing gutters, downspouts and buried conduits to divert roof drainage; providing more roofed area; decreasing open lot surface area; repairing or adjusting water systems to minimize water wastage; using practical amounts of water for cooling purposes; recycling water if practical and applicable.

See NRCS Site plan for facility based on BMP practices which potentially can be implemented with the EQIP Farm program. See Field application map for setbacks by field number Practices include: Diversion is in place to keep water moving to evaporation pond and out of the feed stack area. Filter strip is in place to handle runoff from feed processing area. Manure is removed by-annually from facility. A two inch manure pack remains at all times on the open lots. The manure is moved from lots to the temporary holding facility and picked up by second party

If your answer to any of the above question is no, provide explanation

Section E – Land Application

Will manure be land applied to land either owned, rented, or leased by the owner or operator of the facility?

x ☐ No If no, then provide an explanation of how animal waste at this site are managed.

☐ Yes If yes, then the information requested in Section E must be provided.

100% manure transfer to second party. Records containing receiving party, date received, amount transferred, and manure analysis are maintained on site.

Photos and/or Maps

Attach an aerial photograph or map of the site where manure is to be applied. (Use multiple photos/maps if necessary to show required details.) The photo(s)/map(s) must be printed on no larger than an 11"x17" piece of paper, and must clearly identify the following items:

- Individual field boundaries for all planned land application areas
- A name, number, letter or other means of identifying each individual land application field
- The location of any down-gradient surface waters
- The location of any down-gradient open tile line intake structures
- The location of any down-gradient sinkholes
- The location of any down-gradient agricultural well heads
- The location of all conduits to surface waters
- The specific manure/waste handling or nutrient management restrictions associated with each land application field.
- The soil type(s) present and their locations within the individual land application field(s)
- The location of buffers and setbacks around state surface waters, well heads, etc.

Land Application Equipment Calibration

Describe the type of equipment used to land apply wastes and the calibrating procedures:

Manure Sampling and Analysis Procedures

A representative manure sample will be analyzed a minimum of once annually for Total Nitrogen, and Total Phosphorus. Analysis results will be reported in lbs/ton or lbs/1,000 gal. Results of these analyses will be used in determining application rates for manure, litter, and process wastewater.

Manure Sample collection will occur according to the following method:

☐ The recommended method(s) found in Section 5 of Department Circular DEQ 9

☐ Other (describe) _____

Soil Sampling and Analysis Procedures

A representative soil sample from the top 6 inch layer of soil in each field will be analyzed for phosphorus content at least once every five years. Analyses will be conducted by a qualified laboratory, using the Olsen P test. Results will be reported in parts per million (ppm) and will be used in determining application rates for manure, litter, and process wastewater.

Soil sample collection will occur according to the following method:

☐ The recommended method(s) found in Section 5 of Department Circular DEQ 9

☐ Other (describe) _____

Section F - CERTIFICATION**Permittee Information:**

This Form NMP must be completed, signed, and certified as follows:

- For a corporation, by a principal officer of at least the level of vice president;
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking ele official.

All Permittees Must Complete the Following Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervisio accordance with a system designed to assure that qualified personnel properly gather and evaluate the informa submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, complete. I am aware that there are significant penalties for submitting false information; including the possibility of and imprisonment for knowing violations. [75-5-633, MCA]

A. Name (Type or Print)

Paul V. TOTHUSDA

B. Title (Type or Print)

Owner

C. Phone No.

406-278-3080

D. Signature

[Signature]

E. Date Signed

2/2/09

Return the Form NMP, Nutrient Management Plan to:

Department of Environmental Quality
Water Protection Bureau
PO Box 200901
Helena, MT 59620-0901
(406) 444-3080

RECEIVED

FEB 05 2009

DEQ/WRB
PERMITTING & COMPLIANCE DIV.



409 Sunset Blvd. Conrad, MT.59425

Tax ID: 26-1789389

Invoice # :
Date : 12/01/08

Johnson Manure Report 08

Date	Loads	Description	TONS		
3/1/08	42	Manure/Compost delivered to	1375.73		
Thru		Anaconda sites from Johnson			
3/31/08		Feedlot (Conrad, Mt)			
		north pile 3/1-4/30			
4/1-4/30	33		1083.08		
5/1-5/31	25		852.88		
6/1-6/30	48		1603.42		
7/1-7/31	52	5/1-7/31 all other pens mixed	1757.46		

200

6672.57 TOTAL





902 13th Street North
P.O. Box 187
Benson, MN 56215
(320) 843-4109
FAX (320) 843-2074
email: agvise@willmar.com
Homepage: www.agvise.com

MANURE REPORT

DR4916
DRY FORK AG
301 MAIN ST

PAUL JOHNSON

LEDGER, MT 59456

CONRAD, MT 59425

SAMPLE: EAST
TYPE: SOLID MANURE
SOURCE: HORSE
STORAGE: PIT
LAB NUMBER: 285

DATE RECEIVED: 05/30/08
DATE REPORTED: 06/04/08

Moisture: 36.0%

Dry Matter: 64.0%

	Dry Basis	As Received	lb/ton
Total Nitrogen (N):		0.93%	19
Phosphate (P_2O_5):	0.95%	0.61%	12
Potash (K_2O):	2.7%	1.8%	35
Sodium:	0.056%	0.036%	0.72
Calcium:	1.7%	1.1%	22
Magnesium:	0.61%	0.39%	7.8
Zinc:	74 ppm	47 ppm	0.095
Iron:	6000 ppm	3800 ppm	7.8
Manganese:	180 ppm	120 ppm	0.24
Copper:	12 ppm	7.5 ppm	0.015
Sulfur:	0.45%	0.29%	5.8

EQIP'06 CAFO

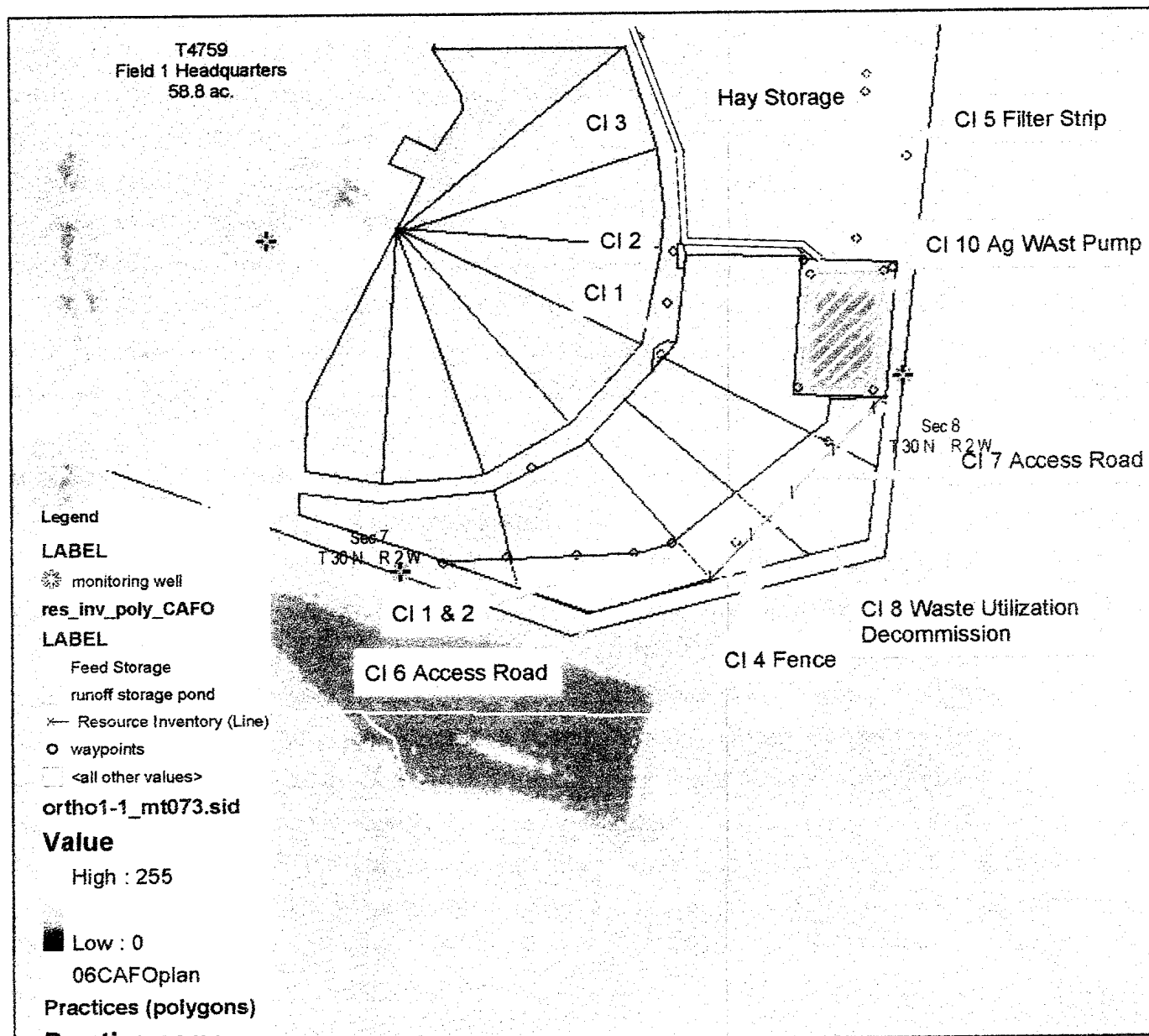
Date: 4/19/2006

Customer(s): PAUL JOHNSON

District: PONDERA COUNTY CONSERVATION DISTRICT

Field Office: CONRAD SERVICE CENTER

Agency: NRCS



Legend

LABEL

monitoring well

res_inv_poly_CAFO

LABEL

Feed Storage

runoff storage pond

Resource Inventory (Line)

waypoints

<all other values>

ortho1-1_mt073.sid

Value

High : 255

Low : 0

06CAFOplan

Practices (polygons)

Practice name

Filter Strip

Grading & shaping

grading

Practices (lines)

Practice name

Access Road

Diversion

Fence

CAFO PLAN MAP

Date: 4/19/2006

Customer(s): PAUL JOHNSON

District: PONDERA COUNTY CONSERVATION DISTRICT

Field Office: CONRAD SERVICE CENTER

Agency: NRCS



Legend

Practices (lines)

— <all other values>

Practice name

— Access Road

||||| Diversion

— Fence

Practices (polygons)

□ <all other values>

Practice name

Filter Strip

Waste Storage Facility

Waste Utilization

LABEL

* monitoring well

res_inv_poly_CAFO

LABEL

Feed Storage

runoff storage pond

Resource Inventory (Line)

— <all other values>

LABEL

Abandoned Ditch

Delivery Canal

Waste Way

06CAFOplan

